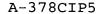
## Claims

What is claimed is:

- 1. A method for treating conditions leading to bone loss, which comprises administering a therapeutically effective amount of a purified and isolated OPG protein in conjunction with substances selected from the group consisting of TNF-α inhibitors; serine protease inhibitors; IL-1 inhibitors; IL-6 inhibitors; IL-8 inhibitors; IL-18 inhibitors; ICE modulators; FGF-1 to FGF-10; FGF modulators; PAF antagonists; MMP modulators; NOS modulators, modulators of glucocorticoid receptor; modulators of glutamate receptor; modulators of LPE levels; and noradrenaline and modulators and mimetics thereof.
- 2. The method of Claim 1, wherein the OPG protein is OPG-Fc.
- 3. The method of claim 1, wherein an IL-1 inhibitor and the OPG protein are administered.
- 4. The method of claim 3, wherein the IL-1 inhibitor comprises an IL-1ma polypeptide.
- 5. The method of Claim 4, wherein the OPG protein comprises an Fc region.
- 6. The method of claim  $\alpha$ , wherein a TNF- $\alpha$  inhibitor and the OPG protein are administered.
- 7. The method of claim 6, wherein the TNF- $\alpha$  inhibitor comprises sTNFR-I, sTNFR-II, or a fragment of sTNF-RI or sTNF-RII linked to an Fc region.
- 8. The method of claim 6, wherein the TNF- $\alpha$  inhibitor comprises 30 kD PEG sTNFR-I.
- 9. The method of claim 6, wherein the TNF- $\alpha$  inhibitor comprises a 2.6 kD sTNF-RI fragment.
- 10. The method of claim 9, wherein the sTNF-RI fragment comprises 30 kD PEG.



- 11. The method of claim 6, wherein the TNF- $\alpha$  inhibitor comprises sTNF-RIT linked to an Fc region.
- 12. The method of claim 6, wherein the TNF- $\alpha$  inhibitor is etanercept.
- 13. The method of Claim 10, wherein the OPG protein is OPG-Fc.
- 14. The method of claim 1, wherein a serine protease inhibitor and the OPG protein are administered.
- 15. The method of claim 14 wherein the serine protease inhibitor comprises a SLPI polypeptide.
- 16. The method of Claim 14, wherein the OPG protein is OPG-Fc.
- 17. The method of claim 1, wherein an IL-1 inhibitor, a TNF  $\alpha$  inhibitor, and the OPG protein are administered.
- 18. The method of claim 17, wherein the IL-1 inhibitor comprises an IL-1ra polypeptide.
- 29. The method of claim 17, wherein the TNF- $\alpha$  inhibitor comprises sTNFR-I, sTNFR-II, sTNFR fragments or sTNFR-Fc.
- 20. The method of claim 17, wherein the TNF- $\alpha$  inhibitor comprises 30 kD PEG-sTNFR-I.
- 21. The method of claim 17, wherein the sTNF-RI fragment is a 2.6 kD fragment.
- 22. The method of claim 21, wherein the sTNF-RI fragment comprises 30 kD PEG.
- 23. The method of claim 17, wherein the TNF- $\alpha$  inhibitor comprises sTNFR-II linked to an Fc region.
- 24. The method of claim 17, wherein the TNF- $\alpha$  inhibitor is etanercept.
- 25. The method of Claim 17, wherein the OPG protein is OPG-Fc.

- 26. The method of Claim 1, wherein an IL-1 inhibitor, a serine protease inhibitor, and the OPG protein are administered.
- 27. The method of claim 26, wherein the IL-1 inhibitor comprises an IL-1ra polypeptide.
- 28. The method of claim 26, wherein the serine protease inhibitor comprises a SLPI polypeptide.
- 29. The method of Claim 26, wherein the OPG protein is OPG-Fc.
- 30. The method of claim 1, wherein a serine protease inhibitor, a TNF-x inhibitor, and the OPG protein are administered.
- 31. The method of claim 30, wherein the serine protease inhibitor comprises a SLPI polypeptide.
- 32. The method of claim 17, wherein the TNF- $\alpha$  inhibitor comprises STNFR-I, STNFR-II, STNFR fragments or STNFR-Fc.
- 33. The method of claim 30, wherein the TNF- $\alpha$  inhibitor comprises  $30 \times 10^{-2}$  kD PEG sTNFR-I.
- 34. The method of claim 30, wherein the TNF- $\alpha$  inhibitor comprises sTNFR-II linked to an Fc region.
- 35. The method of claim 30, wherein the TNF- $\alpha$  inhibitor is etanercept.
- 36. The method of claim 30, wherein the TNF- $\alpha$  inhibitor comprises a 2.6 kD sTNF-RI fragment.
- 37. The method of claim 36, wherein the sTNF-RI fragment comprises 30 kD PEG.
- 38. The method of Claim 30, wherein the OPG protein is OPG-Fc.
- 39. The method of any of claims 17 to 38, wherein the condition treated is rheumatoid arthritis.
- 40. The method of any of claims 17 to 38, wherein the condition treated is multiple sclerosis.

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- 41. The method of any of claims 17 to 38, wherein the condition treated so osteoporosis.
- 42. The method of any of claims 17 to 38, wherein the condition treated is osteomyelitis.
- 43. A method of treating an IL-1 mediated disease, which comprises administering therapeutically effective amounts of an IL-1 inhibitor and a serine protease inhibitor.
- 44. The method of claim 43, wherein the IL-1 inhibitor comprises an IL-1ra polypeptide.
- 45. The method of claim 43, wherein the serine protease inhibitor comprises a SLPI polypeptide.
- 46. The method of claim 43, wherein the IL-1 mediated disease is asthma.
- 47. The method of claim 43, wherein the IL-1 mediated disease is rheumatoid arthritis.
- 48. The method of claim 46, wherein the therapeutically effective amounts are delivered by pulmonary administration.
- 49. A method of treating TNF-mediated disease, which comprises administering therapeutically effective amounts of a TNF- $\alpha$  inhibitor and a serine protease inhibitor.
- 50. The method of claim 49, wherein the TNF- $\alpha$  inhibitor comprises sTNFR-I, sTNFR-II, sTNFR fragments or sTNFR-Fc.
- 51. The method of claim 49, wherein the TNF- $\alpha$  inhibitor comprises 30 kD PEG sTNFR-I.
- 52. The method of claim 49, wherein the TNF- $\alpha$  inhibitor comprises a 2.6 kD sTNF-RI fragment.
- 53. The method of claim 52, wherein the sTNF-RI fragment comprises 30 kD PEG.

- 54. The method of claim 49, wherein the TNF- $\alpha$  inhibitor comprises sTNFR-II linked to an Fc region.
- 55. The method of claim 49, wherein the TNF- $\alpha$  inhibitor is etanercept.
- 56. The method of claim 49, wherein the serine protease inhibitor comprises a SLPI polypeptide.
- 57. The method of claim 49, wherein the TNF-mediated disease is rheumatoid arthritis.
- 58. A method of treating inflammation, which comprises administering an II-18 inhibitor, a TNF- $\alpha$  inhibitor, and an II-1 inhibitor.
- 59. A method of treating rheumatoid arthritis, which comprises administering an IL-18 inhibitor, a TNF-  $\alpha$  inhibitor, and an IL-1 inhibitor.
- 60. A method of treating SLE, which comprises administering an IL-18 inhibitor, a TNF- $\alpha$  inhibitor, and an IL-1 inhibitor.
- 61. A method of treating GvHD, which comprises administering an IL-18 inhibitor, a TNF- $\alpha$  inhibitor, and an IL-1 inhibitor.